

USA-SPEC

PA15-ACU_{xl}

iPod to Acura car stereo interface



**PRELIMINARY
OWNER'S
MANUAL**

TECH SUPPORT

626 336 3836

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QUICK CHECK

- **If your car is TSX, use PA15-HON2 interface!!!**
- **PA15-ACUxl is applicable only to ACURA navigation radio which has XM Live Traffic option, regardless whether XM and/or Live traffic subscription is activated or not.**
- **If your ACURA navigation does not include the XM Live Traffic option, PA15-HON3 model should be used!!**
- **PA15-ACUxl connects into the XM receiver. Please see pg. 3 for XM receiver locations.**

For technical or warranty services, please email to usa_spec@msn.com or call 6263363836 (Pacific time 9am to 5pm).

Please note that info@usaspec.com is for sales related inquiries only and it will not response to technical support and warranty service requests.

Design of this product is subject to change without notice.

XM is a registered trade name of XM Satellite Radio Inc.
iPod, iTune are the registered trade name of Apple Computer Inc.
Honda and Acura are registered trade mark of Honda Motor Corporation.

Thank you for purchasing USA SPEC product. This manual describes the functions and operation of PA15-ACUxI iPod interface to HONDA and ACURA navigation radio that has XM Live Traffic option. Please read this manual before installing the interface adaptor in your vehicle.

!!!!!! IMPORTANT!!!!!

- ❖ It is strongly recommended that the adaptor is installed in an easy accessible location, so that it can later be easily reset or upgraded.
- ❖ ALL CDs from the built-in CD player or CD changer before removing the radio from dash board.
- ❖ USA PSEC distributes products through authorized dealers so customers will receive proper services and advices from the dealers. USA SPEC reserve the right to offer technical or warranty service only on products purchased through authorized USA SPEC accounts.
- ❖ SAFETY NOTE: You should always give full attention to driving. Do NOT operate the feature or function of PA15-ACUxI in such a way that distracts you while driving.

SECTION 1. ABOUT INTERFACE PA15-ACUxI

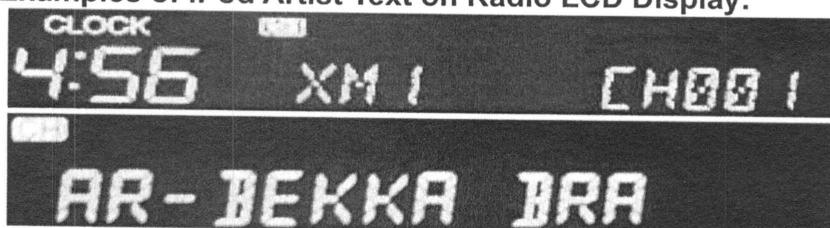
1-1 Introduction

- a) This interface connects an iPod (includes the "iPod" on iPhone) directly to your HONDA or ACURA audio system for optimal playback sound quality.
- b) This interface enables iPod to co-exist with navigation system, XM live traffic, CD changer, XM radio receiver and DVD system. **When using XM control, iPod will play at XM1 while XM broadcasting will be retained at XM2. But, if DIP switch #1 is set to OFF then when iPod is disconnected from interface, XM1 will resume to XM broadcast.**
- c) PA15-ACUxI's onboard software translates commands from your XM Band control into commands that the iPod understands.
- d) This interface charges iPod while it is playing and charging stops automatically half hour after iPod is paused.

1-2 Text Display of Song Information

Artist name and song title are displayed on navigation screen and radio display.

Examples of iPod Artist Text on Radio LCD Display:



Example of iPod Text on Navigation Screen:



1-3 Package Content

PA15-ACUxl contains one each of PA15-ACUxl interface adaptor, CAS-H3x and CB-PA105.

1-4 Compatibility

Future iPod and iTune software updates may affect the features and functions described in this owner's manual and USA SPEC web pages.

1-5 Applications

Note: PA15-ACUxl is only applicable to ACURA navigation system that has XM Live traffic option and regardless this option is activated or not.

Make	Model	Year	Type of Radio	Control iPod with ...	Note
ACURA	MDX	07 - 09	Nav with XM Live Traffic	XM	(1)
	RL	05 - 09	Nav with XM Live Traffic	XM	(1)
	TL	07 - 08	Nav with XM Live Traffic	XM	(1)
	TSX			XM	(2)
	RDX	07 - 09	Nav with XM Live Traffic	XM	(1)

Note (1) Non-nav radio and Nav radio without XM live traffic option use Model PA15-HON3.

Note (2) TSX uses model PA15-HON2

USA SPEC verified the published radio and vehicle application to the best of our ability. Due to uncontrollable factors, USA SPEC can not 100% guarantee every published applications. These factors include variables such as, anomalies within a factory radio, factory radio heretofore unknown to USA SPEC and partial model year changes.

SECTION 2. Direct Access, Folder Access and AUX Option

PA15-ACUxl provides two ways (Dual Mode) to control your iPod, namely **Folder Access Mode** and **Direct Access Mode**.

2-1 Direct Access Mode

Search and select music on iPod just as you would in portable use. Also use the track up/down, fast forward, fast reverse on radio and steering wheel to control.

- XM1-5 (preset button #5) is dedicated to Direct Access.
- In direct Access Mode, screen and click wheel keypad on iPod is unlocked and fully functional.
- No song text information display on radio while in Direct Access Mode.

❖ ***Application Tip***

Direct Access makes the playing of free wi-fi music stream such as Pandora.com® from your iPhone or iTouch to car stereo easy.

2-2 Folder Access

Access 4 Folders, namely Playlist, Artist, Album and Songs on iPod from radio and allows text based song search by the title of Artist, Album and Playlist. See section 3-1 for more information.

- XM1- 1 (preset #1) accesses *Playlist* Folder. Display on radio is: PL- name of Playlist
- XM1- 2 (preset #2) accesses *Artist* Folder. Display on radio is: AR- name of artist
- XM1- 3 (preset #3) accesses *Album* Folder. Display on radio is AL- album name
- XM1- 4 (preset #4) accesses *Songs* Folder. Display on radio is All Songs.

CAUTION: Do NOT operate text based song search feature when it is distractive or Distracting from giving full attention to driving or to the road. Safe Driving is your responsibility.

2-3 AUX Input Option

In addition to iPod, PA15-ACUxl can connect a second audio source to car radio. Connect the second audio source to the RCA jack labeled **AUX INPUT**. AUX input is

enabled by setting the DIP switch #1 at the side of the interface adaptor to ON position. Press preset button 6 to access AUX. If AUX option is not enabled, preset 6 is Genres folder of iPod.

SECTION 3. DIP Switch Setting and Function Control

3-1 Set DIP switches as follow:

DIP # 2	DIP # 3	DIP # 4
OFF	ON	OFF

Note: DIP switch #1 is only related to RCA AUX option setting and it is independent from the setting of these DIP switches.

3-2 Functions and Radio Buttons

- Press XM button on radio to access iPod at XM1
- Press XM button on radio to access XM stations at XM2.
- Use radio Preset buttons to access iPod Folders, Direct Mode and RCA AUX as follow:

<i>Push....</i>	<i>Radio Displays</i>	<i>Radio Plays</i>	<i>Remark</i>
Preset # 1	XM1-1	Playlist Folders	
Preset # 2	XM1-2	Artist Folders	
Preset # 3	XM1-3	Album Folders	
Preset # 4	XM1-4	All Songs Folder	
Preset # 5	XM1-5	iPod Direct	
Preset # 6	XM1-6	Genres Folders	If DIP #1= OFF
		RCA AUX	If DIP #1= ON

- To view text information of music on radio's **LCD display**, push DISP button on radio. Text display on radio is as follow:

<i>DISP Button</i>	<i>Prefix Text from Radio</i>	<i>Text from iPod</i>	<i>Note</i>
1st Push →	XM CHANNEL NUMBER	track number	(a)
2nd Push →	XM CATEGORY	folder type & name	
3rd Push →	NMAE	artist name	
4th Push →	TITLE	album name	
4th Push →	XM CHANNEL NAME	title of music	

- Turn the TUNING knob to change track. *Note (a): Due to radio's limit on maximum XM channel number is 255, the most far left hand digit of track number display is therefore reset to 0 (zero) at every integer multiple of 256. For example, 256th track is displayed as 056 and 456th track on iPod is displayed as 056 also.*
- Press SEEK (-/+) or SKIP (◀◀, ▶▶) button to select sub-folder (example: change to next or previous Playlist while in the Playlist folder; change to next or previous Artist while in the Artist folder).
- When in Songs Folder, press SEEK to change track by alphabetic order. This feature applies to iPhone only. For iPods the SEEK button will change track up or down only.
- Press-and-hold (until a beep is heard) preset button #2 to begin RANDOM track play and press-and-hold the preset #2 button (until a beep is heard) to terminate RANDOM play.
- Press and hold (about 4 seconds) the preset #3 or the preset #4 will fast

- Steering wheel control:
Several different steering wheel XM control designs are available from Honda and Acura. Some of the designs allow PA15-ACUXL to track up and track down while others only allow Playlist or Folder change from steering wheel remote control.
In general, it is able to do track up or down if the CH+ and CH- keys on steering wheel are double-function type. Double-function means the CH+ and CH- buttons can perform two different tasks depends on the time length of it is being pressed.

3-3 iPod Connecting and Playing

- When iPod is connected to interface adaptor and XM1 on radio is pushed, iPod will begin playing at XM1-4 (preset #4).
- XM1- 4 (preset #4) will continue play the track in **the** Folder which was played prior iPod is connected to PA15-ACUXL. As soon as the last track of **the playing** Folder is completed, iPod will go to the first track of Songs folder.
- When return to Songs Folder (preset #4) from Direct Mode (preset #5), Preset #4 will continue the same iPod folder being played at Direct Mode. When the last track of this folder is played, iPod will then go to the first track of Songs folder.

Note: ACURA/ HONDA navigation radio has two XM modes, one is CHANNEL mode and the other is CATEGORY mode. Press the **MODE** button, the radio will switch from one mode to the other. The functions being described above are applicable when XM radio is set to CHANNEL mode.

SECTION 4. CABLE CONNECTION

- Step 1- Set DIP switches according to information in Section 3-1.
- Step 2- Must remove or eject all CDs out from radio.
- Step 3- Reference to chart (A) below to locate XM receiver unit.
- Step 4- Unplug factory 20-pin male connector from XM receiver unit. Plug factory 20 -pin male connector on USA SPEC CAS-H3x.
- Step 5-** Plug the 20-pin male connector on USA SPEC cable to XM receiver unit.
Reference to Fig. (1).
- Step 6- Plug the 18-pin male connector on CAS-H3x to PA15-ACUXL where is labeled RADIO.
- Step 7- Connect your 2nd audio source to the RCA jacks on adaptor if AUX option is selected by DIP switch #1 = ON.
- Step 8 - Plug CB-PA105 cable to adaptor where is labeled iPod.
- Step 9 - Test with iPod or iPhone.

Car Model	XM Receiver Location
MDX w/ Live Traffic	Rear; Passenger side
RDX w/ Live Traffic	Behind Glove Box
RL w/ Live Traffic	Rear; Driver side
TL w/ Live Traffic	Trunk; Passenger side

TABLE (A)

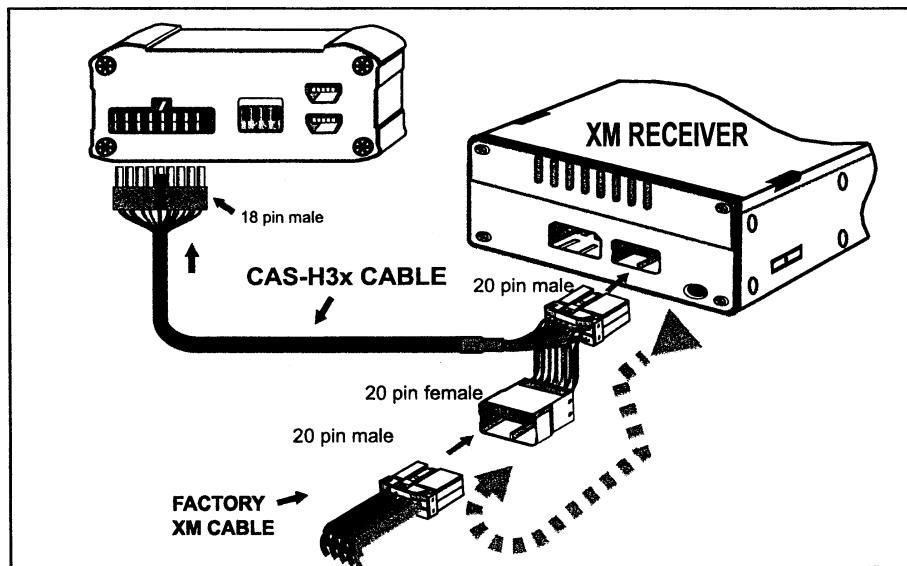


Fig (1)

NOTE: THE OTHER WIRES ON **USASPEC** CAS-H3x CABLE ARE NOT SHOWN ON THE DIAGRAM.

LIMITED WARRANTY

Thank you for choosing a **USA-SPEC** product. LTI Enterprises Inc., is committed to providing high quality defect free products. All **USA-SPEC** products are tested before leaving the factory and are warranted against defects in materials and workmanship for a period of one year to the original owner. The one-year warranty period begins at the date of manufacture or the date of original installation. Please see installation registration below.

PRODUCTS COVERED :

Products and related accessories supplied by LTI Enterprises Inc. with the brand name of **USA-SPEC** are covered by this warranty. Only products purchased in the U.S.A. is covered.

WARRANTY DOES NOT COVER :

1. Damage due to improper installation, operation, accident, negligence, abuse, or not following instructions, warnings, and acceptable industry procedures.
2. Damage caused during the shipment or transportation of the product. All claims of this nature must be presented to the carrier.
3. Damage caused by acts of God, War, or civil disturbance, including without limitation, flood, fire, storms, earthquake or other acts of nature.
4. Any expenses or cost to remove or reinstall products.
5. Any product without the original serial number and factory seal, or has been serviced or modified without the authorization of LTI Enterprises Inc.
6. Any product not distributed by an authorized LTI Enterprises Inc. Dealer.

TO OBTAIN WARRANTY SERVICE :

Contact the Customer Service center printed on the back of this manual for assistance. A detailed description of the problem(s) is required for service. Proof of purchase is also required when sending a product for warrant service. If the problem cannot be resolved and the product must be returned for service you will receive an authorization from the service center. The product must be delivered pre-paid to the service center. LTI Enterprises Inc. will, at our option, repair the product or replace it with new or reconditioned product, and if it was shipped to the service center, the return shipping will be pre-paid free of charge provided the repairs are covered by the warranty. The product must be packed securely for shipment to the service center in order to preserve the warranty and prevent damage.

NO IMPLIED WARRANTY, INCLUDING MERCHANTABILITY AND FITNESS FOR USE, APPLIES TO THIS PRODUCT AFTER THE ONE YEAR PERIOD AS DEFINED ABOVE, AND NO OTHER EXPRESSED WARRANTY OR GUARANTEE, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BIND THE WARRANTOR. NEITHER THE WARRANTOR NOR ANY OTHER PERSON, FIRM OR CORPORATION, IS RESPONSIBLE FOR LOSSES OR INCONVENIENCES, OR FOR ANY CONSEQUENTIAL DAMAGES CAUSED BY THE PRODUCT. SOME STATES/PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, AND SOME DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES.

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